VOLUME CONTENTS

Number 1/2

Xiong-Jian Wu and W. G. Price	1	Evaluation of Wave Drift Forces on Vertical Cylinders of Arbitrary Geometry, with Application to Tension Leg Platforms (TLPs)
G. P. Thomas	17	The Diffraction of Water Waves by a Circular Cylinder in a Channel
M. S. Kirkgöz	45	Impact Pressure of Breaking Waves on Vertical and Sloping Walls
C. M. Linton	61	Radiation and Diffraction of Water Waves by a Submerged Sphere in Finite Depth
A. G. Davies	75	Transient Effects in Wave–Current Boundary Layer Flow
M. Rahman and M. G. Satish	101	First-order Diffraction Forces on a Pair of Cylinders
J. M. Niedzwecki and C. P. Whatley	111	A Comparative Study of some Directional Sea Models
R. H. Gutierrez, P. A. A. Laura and R. E. Rossi	129	Vibrations of a Timoshenko Beam of Non-uniform Cross-section Elastically Restrained at One End and Carrying a Finite Mass at the Other

Number 3

D. L. Reid	147	A Model for the Prediction of In-line Vortex-induced Vibrations of Cylindrical Elements in a Non-uniform Steady Flow
C. Guedes Soares	167	On the Occurrence of Double Peaked Wave Spectra
Books Received	173	
J. W. Tedesco, B. McGill and W. G. McDougal	175	Dynamic Response of Pre-stressed Concrete Armor Units to Pulsating Loads
R. Eatock Taylor and C. S. Hu	191	Multipole Expansions for Wave Diffraction and Radiation in Deep Water

S. C. S. Yim and Huan Lin	225	Chaotic Behavior and Stability of Free-standing Offshore Equipment
News and Notices	251	

Number 4

W. Perrie and M. Rahman	253	Scattering of Ocean Waves by Arrays of Cylinders with Rotational Symmetry
O. Durgun and K. Kafali	269	Blockage Correction
M. Nakamura, W. Koterayama and Y. Kyozuka	283	Slow Drift Damping due to Drag Forces Acting on Mooring Lines
S. Meenakshi Sundaram and C. K. Madheswaran	297	Wave Forces on a Single and on a Group of Cylinders in Response to Two Wave Spectra of Same Significant Wave Height
I. B. Mekjavic and G. I. Morariu	317	Ventilation Requirements Within Wet Submersibles
C. Guedes Soares	329	Effect of Transfer Function Uncertainty on Short-term Ship Responses
R. D. Brown and V. R. Swail	363	Over-water Gust Factors
Announcement	395	

Number 5

R. Sundaravadivelu and K. S. S. R. Ch. Varaprasad	397	Design of Single Point Sub-surface Deep Sea Moorings
R. Sundaravadivelu, M. Harikrishna Babu and R. Murugaganesh	405	Experimental Investigation on a Single Point Buoy Mooring System
Jen-Men Lo	419	A Numerical Model for Combined Refraction-Diffraction of Short Waves on an Island

T. P. Khangaonkar and B. Le Mehaute	435	Extended KdV Equation for Transient Axisymmetric Water Waves
Yanqiu Dong and J. Y. K. Lou	451	Vortex-induced Nonlinear Oscillation of Tension Leg Platform Tethers
U. A. Korde	465	Development of a Reactive Control Apparatus for a Fixed Two-dimensional Oscillating Water Column Wave Energy Device
S. A. Mavrakos	485	Hydrodynamic Coefficients for Groups of Interacting Vertical Axisymmetric Bodies
P. A. A. Laura	517	Letter to the Editor
Books Received	519	

Number 6

B. H. Bharatkumar, R. Mahadevan and M. R. Pranesh	521	Flume Confinement Effect on Diffracted Wave Field Around Vertical Cylinders
Bin Teng and Yu-Cheng Li	535	The Wave–Current Force Spectrum on Inclined Cylinders
H. T. Low, S. C. Luo and S. H. Winoto	555	Flow past a Wind-assisted Ship Propulsion Device
D. Boote and D. Mascia	567	On the Effective Breadth of Stiffened Platings
W. G. Lindsley, R. A. Skop and J. W. Brown	593	Surface Pressure and Wave-damping Effects of Surface-active Organic Compounds on Seawater
Volume 18 Title Section, Contents and Author Index	i	